

TEST RESULTS and REPORT

for

SOMO Optical

O-SOM052507

by



COLTS Laboratories maintains A2LA accreditation to ISO/IEC 17025 for the tests listed on Certificate # 1612.01. Any tests not included on this certificate have been identified on the appropriate test result page.

- Results in this report only relate to the samples analyzed.
- This report shall not be reproduced, except in full, without written approval from COLTS Laboratories.
- Unless otherwise requested, test samples will be discarded 60 days from the report date.

COLTS Laboratories

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O-SOM052507

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Authorizing Signature: *Darin Coenick* Lab Manager

Name and Title

Summary

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**SUMMARY
REPORT****SOMO Optical
O-SOMO52507**

CR39 UltraClear with ITO		
Lifetime Properties	Tape Pull Ratio (Initial)	Tape Pull Ratio (>20,000 cycles)
	69.69	33.12
Contact Angle	108.7	
SOMO 1.60 UltraClear with ITO		
Lifetime Properties	Tape Pull Ratio (Initial)	Tape Pull Ratio (>20,000 cycles)
	75.27	42.62
Contact Angle	108.2	
SOMO 1.67 UltraClear with ITO		
Lifetime Properties	Tape Pull Ratio (Initial)	Tape Pull Ratio (>20,000 cycles)
	75.27	23.74
Contact Angle	110.5	

CR39 UltraClear with ITO

Lifetime Properties

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**RESULTS
REPORT**

A2LA Accredited Certificate # 1612.01

SOMO Optical

Sample:

CR39 UltraClear with ITO

For Test:

Lifetime Properties-DQ

Colts Internal Control Number:

O-SOM052507-01-01**Sample Group Description**

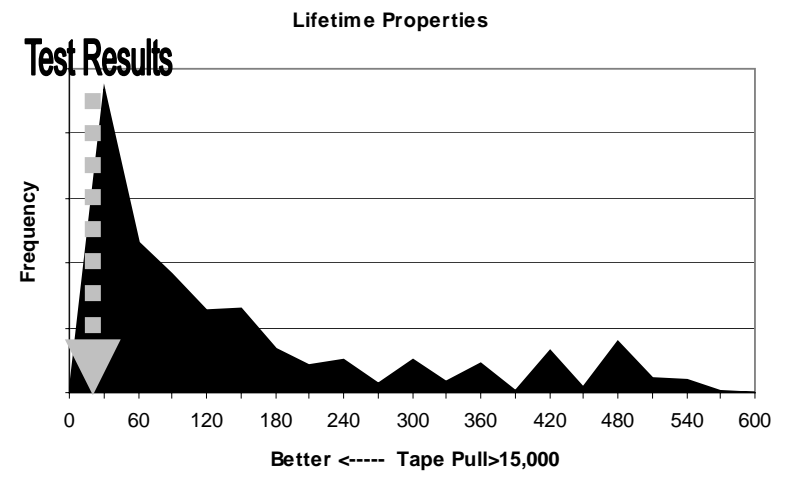
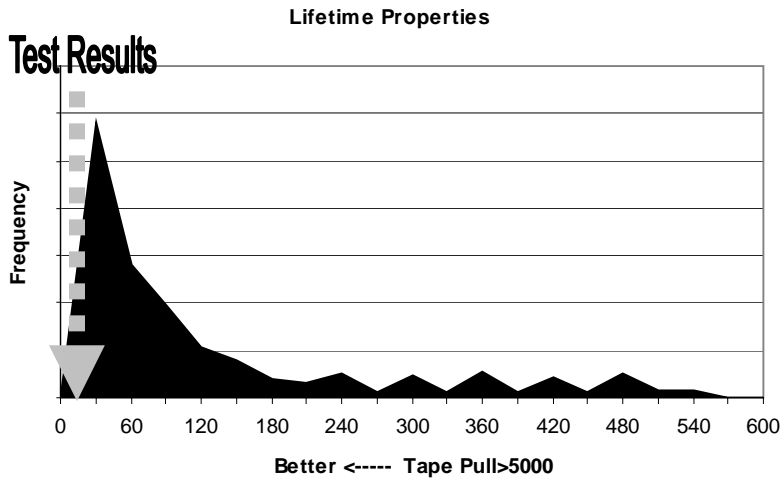
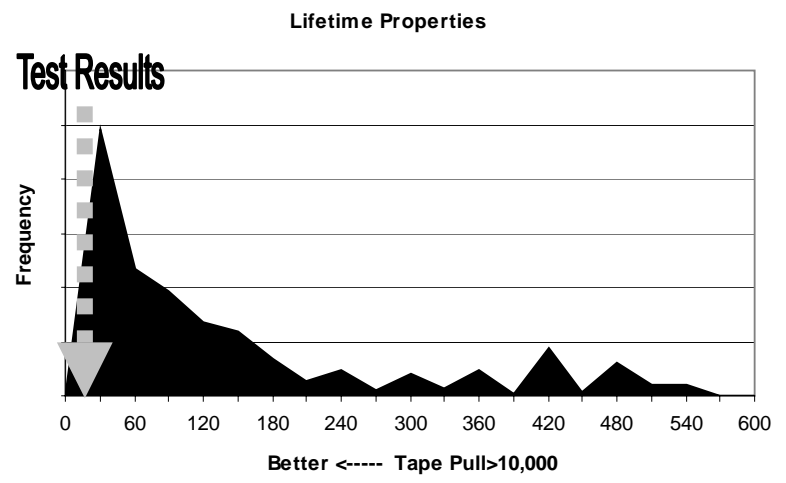
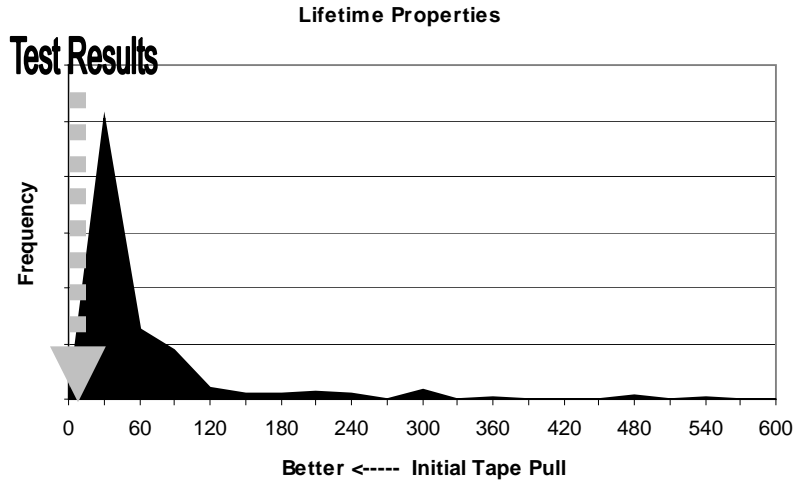
Samples		Substrate/Material			Coatings (Hard Coat,AR)	
One sample group		Material:	Hard Resin		Type:	AR
Manufacturer:	SOMO	Index of Refraction:			Comments:	
Lens Type:	FSV	Report Date:	6/15/2007		CR39 UltraClear with ITO	
Lens density:	NA	Report Valid thru:	12/15/2007			
Requested by:	Wes Riggs	Lab Temp (°C) :	24	Lab Rh :		

Test Number	Initial Tape Pull	Cycles			
		5,000 Tape Pull:	10,000 Tape Pull:	15,000 Tape Pull:	20,000 Tape Pull:
O-SOM052507-01-01-01	10	14	16	14	18
O-SOM052507-01-01-02	8	12	12	14	14
O-SOM052507-01-01-03	8	14	14	22	20
Averages:	9	13	14	17	17
Standard Averages:	604	571	570	573	574

RATIOS	69.69	42.82	40.71	34.38	33.12
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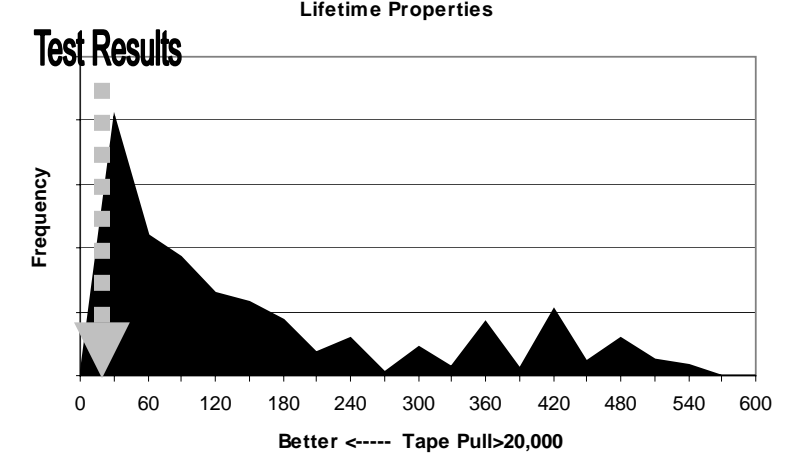
(Standard Avg./Test Avg.)

Tape Pull is expressed in grams of force.



SOMO Optical
O-SOM052507-01-01
CR39 UltraClear with ITO

	Initial	>5000	>10,000	>15,000	>20,000
Tape Pull (g)	9	13	14	17	17



Contact Angle

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**RESULTS
REPORT**

SOMO Optical

Sample:

CR39 UltraClear with ITO

For Test:

Contact Angle-DQ

COLTS Internal Control Number:

O-SOM052507-01-02

Sample Group Description					
Samples		Substrate/Material		Coatings (Hard Coat, AR)	
One sample group		Material:	Hard Resin	Type:	AR
Manufacturer:	SOMO	Index of Refraction:		Comments:	
Lens Type:	FSV	Report Date:	06/15/2007	CR39 UltraClear with ITO	
Lens density:	NA	Report valid thru:	12/15/2007		
Requested by:	Wes Riggs	Lab Temp: (°C):	24		

Test Number	Average Contact Angle
O-SOM052507-01-02-01	108.7

SOMO 1.60 UltraClear with ITO

Lifetime Properties

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A2LA Accredited Certificate # 1612.01

RESULTS REPORT

SOMO Optical

Sample:

SOMO 1.60 UltraClear with ITO

For Test:

Lifetime Properties-DQ

Colts Internal Control Number:

O-SOM052507-02-01

Sample Group Description

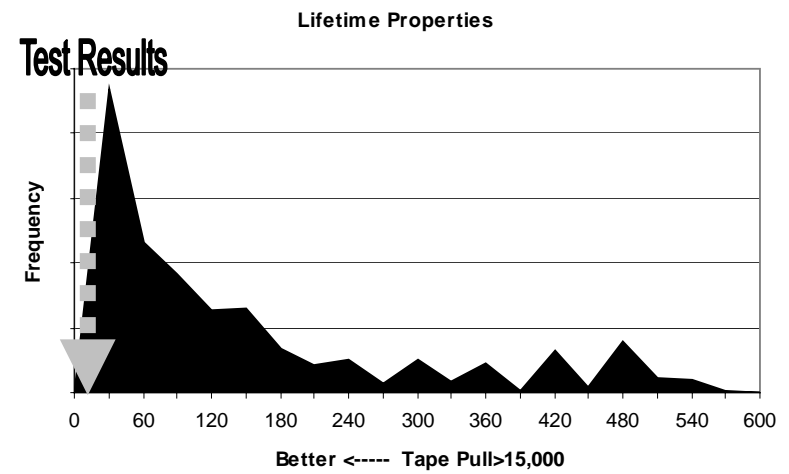
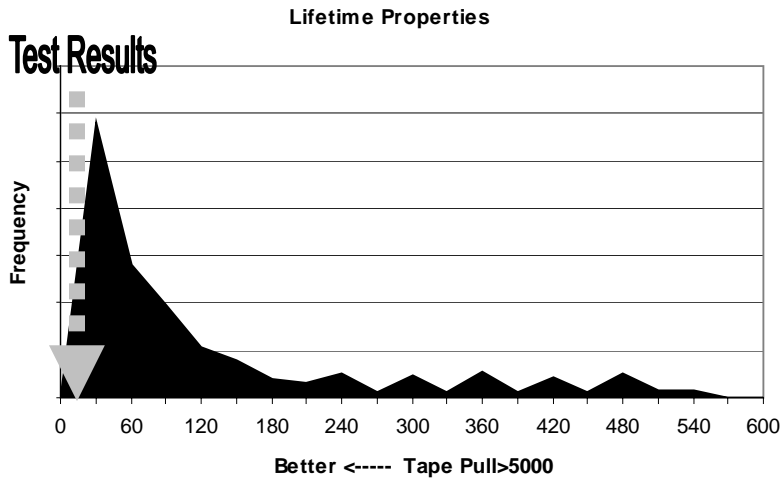
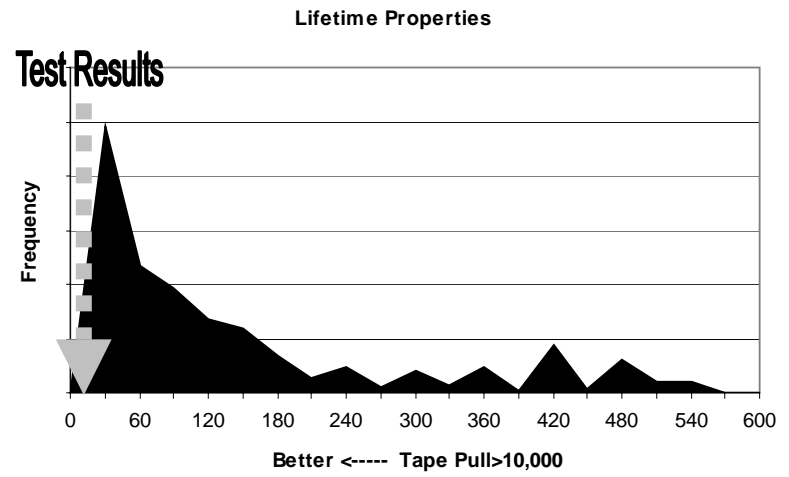
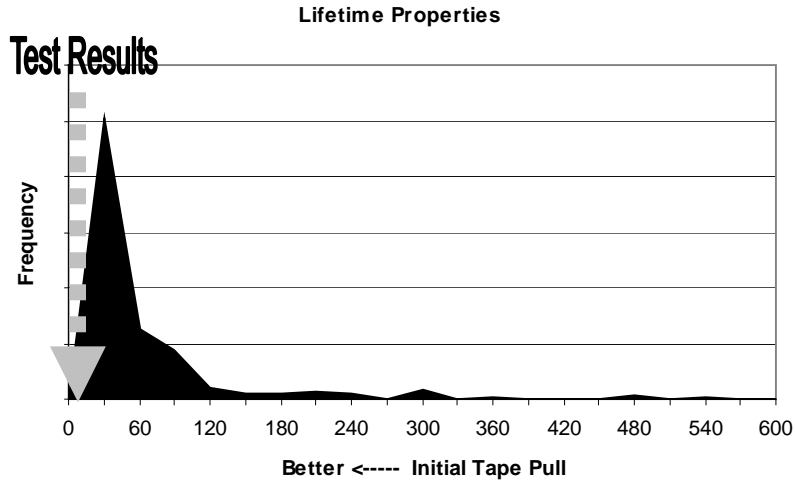
Samples		Substrate/Material			Coatings (Hard Coat,AR)	
One sample group		Material:	Hard Resin		Type:	AR
Manufacturer:	SOMO	Index of Refraction:			Comments:	
Lens Type:	FSV	Report Date:	6/15/2007		SOMO 1.60 UltraClear with ITO	
Lens density:	NA	Report Valid thru:	12/15/2007			
Requested by:	Wes Riggs	Lab Temp (°C) :	24	Lab Rh :		

Test Number	Initial Tape Pull	Cycles			
		5,000 Tape Pull:	10,000 Tape Pull:	15,000 Tape Pull:	20,000 Tape Pull:
O-SOM052507-02-01-01	8	8	12	10	15
O-SOM052507-02-01-02	6	12	12	10	12
O-SOM052507-02-01-03	8	10	10	12	12
Averages:	7	10	11	11	13
Standard Averages:	552	550	552	547	554

RATIOS 75.27 55.00 48.71 51.28 42.62

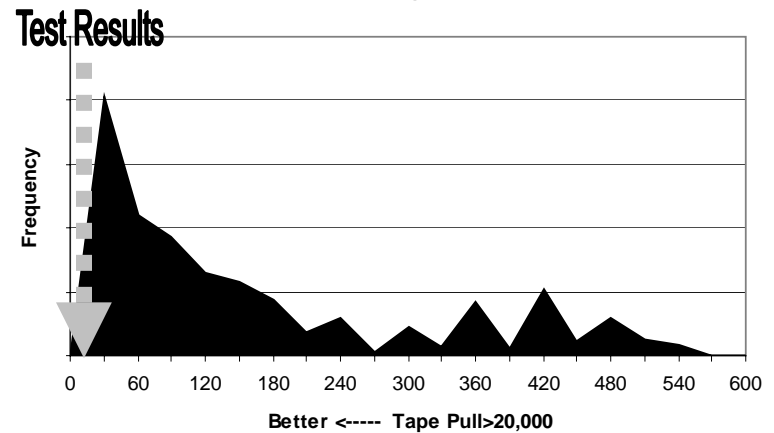
(Standard Avg./Test Avg.)

Tape Pull is expressed in grams of force.



SOMO Optical
O-SOM052507-02-01
SOMO 1.60 UltraClear with ITO

	Initial	>5000	>10,000	>15,000	>20,000
Tape Pull (g)	7	10	11	11	13



Contact Angle

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**RESULTS
REPORT**

SOMO Optical

Sample:

SOMO 1.60 UltraClear with ITO

For Test:

Contact Angle-DQ

COLTS Internal Control Number:

O-SOM052507-02-02

Sample Group Description					
Samples		Substrate/Material		Coatings (Hard Coat, AR)	
One sample group		Material:	Hard Resin	Type:	AR
Manufacturer:	SOMO	Index of Refraction:		Comments:	
Lens Type:	FSV	Report Date:	06/15/2007	SOMO 1.60 UltraClear with ITO	
Lens density:	NA	Report valid thru:	12/15/2007		
Requested by:	Wes Riggs	Lab Temp: (°C):	24		

Test Number	Average Contact Angle
O-SOM052507-02-02-01	108.2

SOMO 1.67 UltraClear with ITO

Lifetime Properties

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RESULTS REPORT

SOMO Optical

Sample:

SOMO 1.67 UltraClear with ITO

For Test:

Lifetime Properties-DQ

Colts Internal Control Number:

O-SOM052507-03-01

Sample Group Description

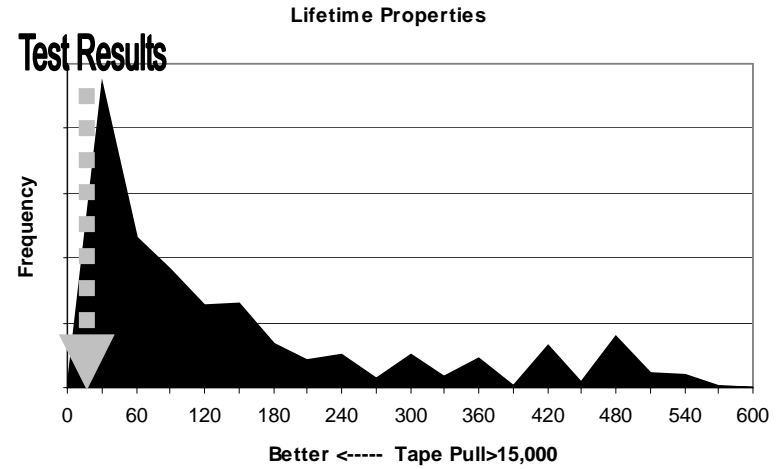
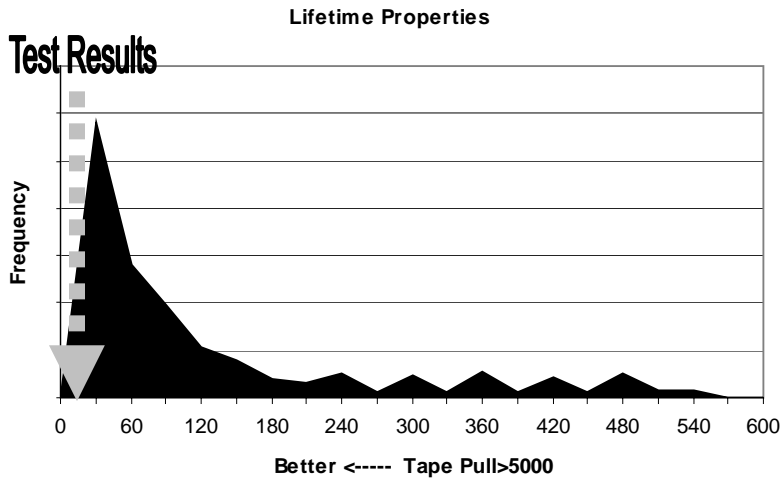
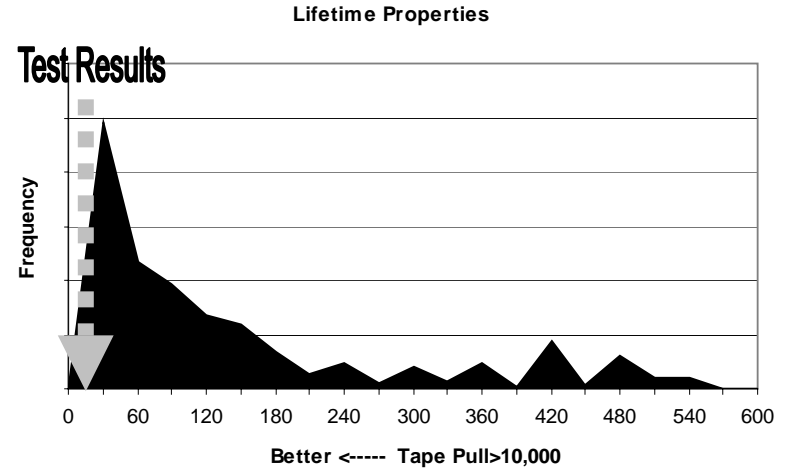
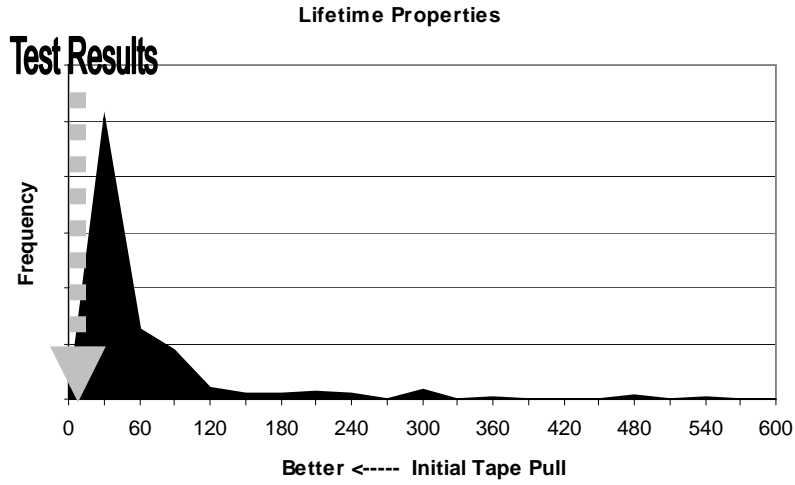
Samples		Substrate/Material			Coatings (Hard Coat,AR)	
One sample group		Material:	Hard Resin		Type:	AR
Manufacturer:	SOMO	Index of Refraction:			Comments:	
Lens Type:	FSV	Report Date:	6/15/2007		SOMO 1.67 UltraClear with ITO	
Lens density:	NA	Report Valid thru:	12/15/2007			
Requested by:	Wes Riggs	Lab Temp (°C) :	24	Lab Rh :		

Test Number	Initial Tape Pull	Cycles			
		5,000 Tape Pull:	10,000 Tape Pull:	15,000 Tape Pull:	20,000 Tape Pull:
O-SOM052507-03-01-01	6	14	12	12	18
O-SOM052507-03-01-02	8	12	10	10	24
O-SOM052507-03-01-03	8	12	20	22	28
Averages:	7	13	14	15	23
Standard Averages:	552	550	552	547	554

RATIOS 75.27 43.42 39.43 37.30 23.74

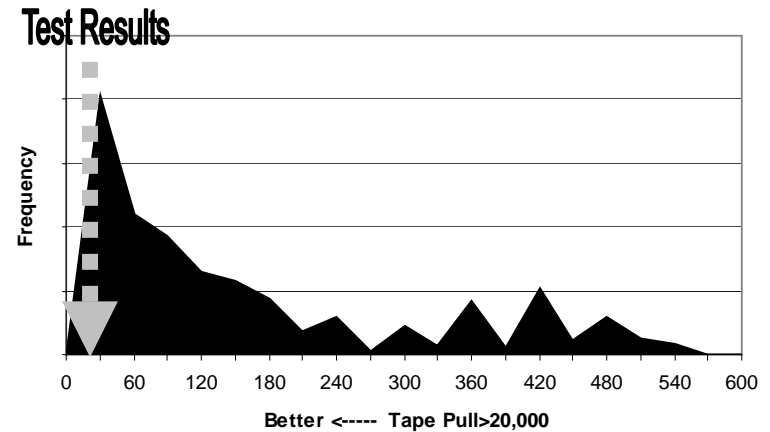
(Standard Avg./Test Avg.)

Tape Pull is expressed in grams of force.



SOMO Optical
O-SOM052507-03-01
SOMO 1.67 UltraClear with ITO

	Initial	>5000	>10,000	>15,000	>20,000
Tape Pull (g)	7	13	14	15	23



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Sample:

SOMO 1.67 UltraClear with ITO

For Test:

Contact Angle-DQ

COLTS Internal Control Number:

O-SOM052507-03-02

Sample Group Description						
Samples		Substrate/Material			Coatings (Hard Coat, AR)	
One sample group		Material:	Hard Resin		Type:	AR
Manufacturer:	SOMO	Index of Refraction:			Comments:	
Lens Type:	FSV	Report Date:	06/15/2007		SOMO 1.67 UltraClear with ITO	
Lens density:	NA	Report valid thru:	12/15/2007			
Requested by:	Wes Riggs	Lab Temp: (°C):	24	Lab Rh:		

Test Number	Average Contact Angle
O-SOM052507-03-02-01	110.5